[Name of Document] Claims

[Claim 1]

An information processing apparatus comprising:

transfer controlling means for controlling transfer of data;

counting means for counting the number of times said transfer controlling means has controlled the transfer of said data;

first determining means for determining whether the number of times counted by said counting means is at least equal to a predetermined threshold;

first instructing means which, if said number of times is found at least equal to said threshold by said first determining means, then gives said transfer controlling means an instruction to stop the transfer of said data;

generating means for generating an initializing vector for use in either encrypting or decrypting said data of which the transfer is controlled by said transfer controlling means;

second determining means for determining whether an instruction to have said initializing vector supplied is given by an external apparatus to and from which is sent and received said data of which the transfer is

controlled by said transfer controlling means; and

second instructing means which, if the instruction to have said initializing vector supplied is found given by said second determining means, then gives said generating means an instruction to generate said initializing vector while giving said counting means an instruction to reset the number of times having been counted.

[Claim 2]

The information processing apparatus according to claim 1, further comprising outputting means which, if the instruction is given by said first instructing means, then outputs to said external apparatus a message saying that the transfer of said data is stopped.

[Claim 3]

An information processing method comprising the steps of:

controlling transfer of data;

counting the number of times said transfer controlling step has controlled the transfer of said data;

firstly determining whether the number of times counted in said counting step is at least equal to a predetermined threshold;

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if said number of times is found at least equal to said threshold in said first determining step, then firstly giving in said transfer controlling step an instruction to stop the transfer of said data;

generating an initializing vector for use in either encrypting or decrypting said data of which the transfer is controlled in said transfer controlling step;

secondly determining whether an instruction to have said initializing vector supplied is given by an external apparatus to and from which is sent and received said data of which the transfer is controlled in said transfer controlling step; and

if the instruction to have said initializing vector supplied is found given in said second determining step, then secondly giving in said generating step an instruction to generate said initializing vector while giving in said counting step an instruction to reset the number of times having been counted.

[Claim 4]

A program for causing a computer to carry out a procedure comprising the steps of:

controlling transfer of data;

counting the number of times said transfer controlling step has controlled the transfer of said

data;

firstly determining whether the number of times counted in said counting step is at least equal to a predetermined threshold;

if said number of times is found at least equal to said threshold in said first determining step, then firstly giving in said transfer controlling step an instruction to stop the transfer of said data;

generating an initializing vector for use in either encrypting or decrypting said data of which the transfer is controlled in said transfer controlling step;

secondly determining whether an instruction to have said initializing vector supplied is given by an external apparatus to and from which is sent and received said data of which the transfer is controlled in said transfer controlling step; and

if the instruction to have said initializing vector supplied is found given in said second determining step, then secondly giving in said generating step an instruction to generate said initializing vector while giving in said counting step an instruction to reset the number of times having been counted.

[Claim 5]

A recording medium which records a computer-

readable program for causing a computer to carry out a procedure comprising the steps of:

controlling transfer of data;

counting the number of times said transfer controlling step has controlled the transfer of said data;

firstly determining whether the number of times counted in said counting step is at least equal to a predetermined threshold;

if said number of times is found at least equal to said threshold in said first determining step, then firstly giving in said transfer controlling step an instruction to stop the transfer of said data;

generating an initializing vector for use in either encrypting or decrypting said data of which the transfer is controlled in said transfer controlling step;

secondly determining whether an instruction to have said initializing vector supplied is given by an external apparatus to and from which is sent and received said data of which the transfer is controlled in said transfer controlling step; and

if the instruction to have said initializing vector supplied is found given in said second determining step, then secondly giving in said generating step an

instruction to generate said initializing vector while giving in said counting step an instruction to reset the number of times having been counted.